

FIG. 1

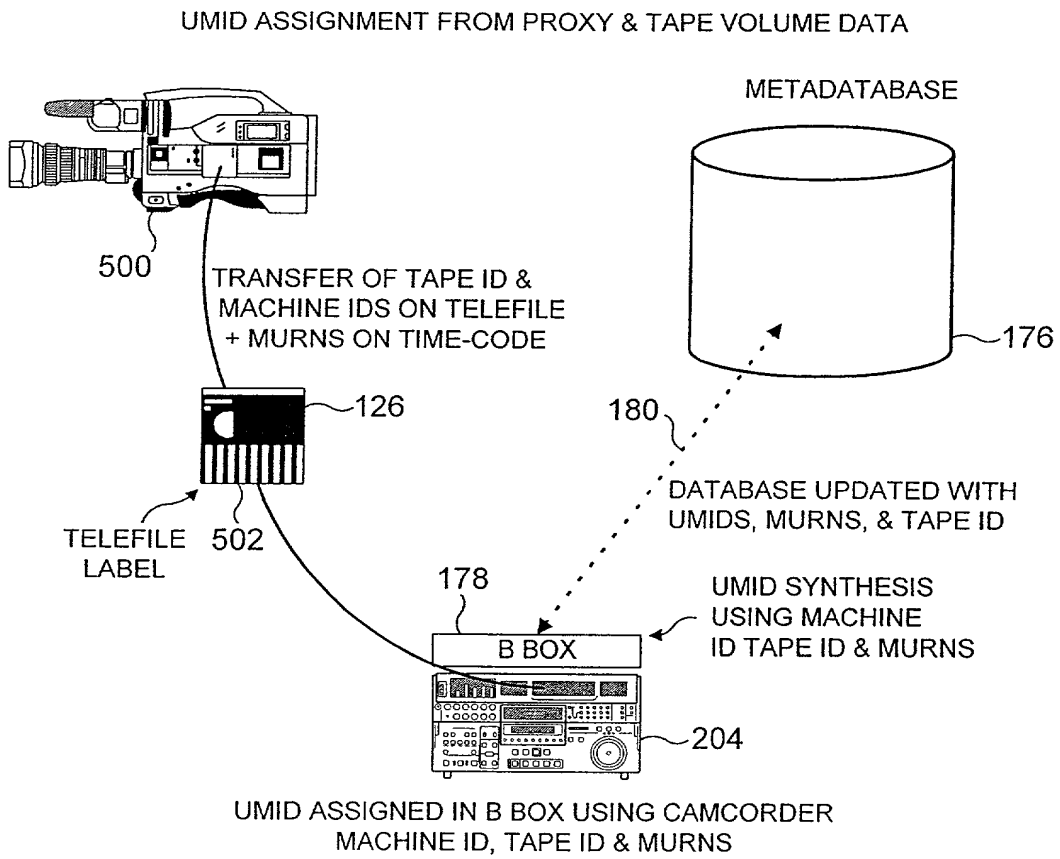


FIG. 2

UMID ASSIGNMENT FROM PROXY & TAPE VOLUME DATA

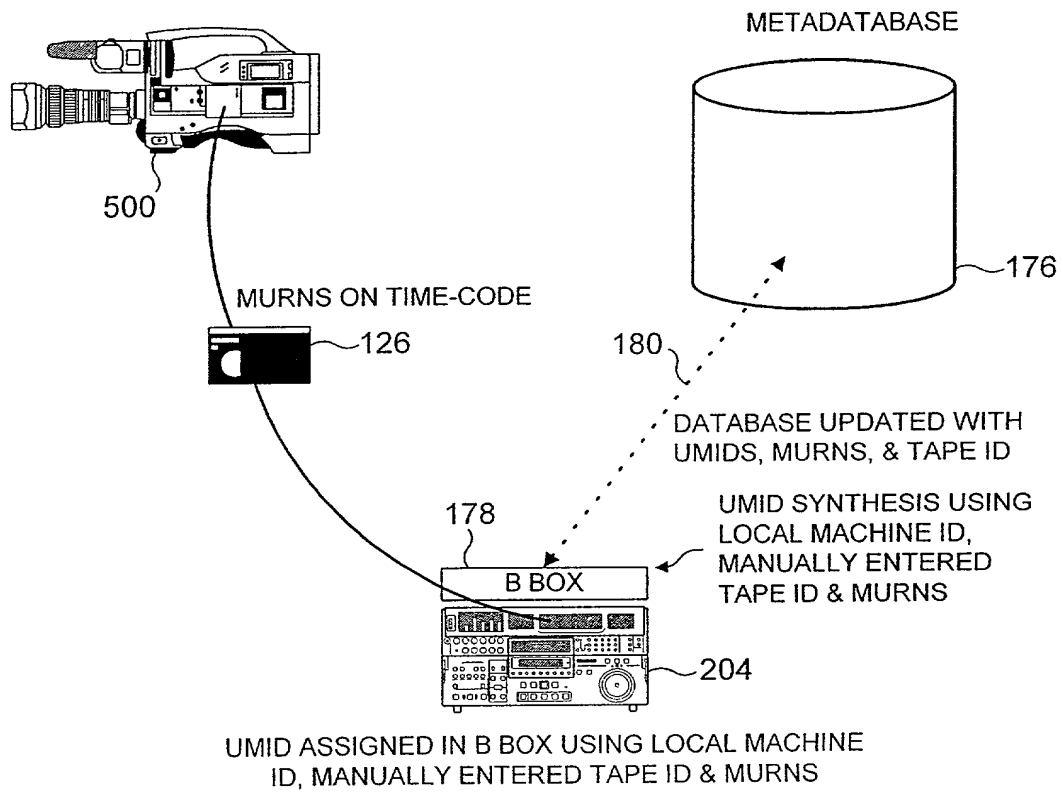


FIG. 3

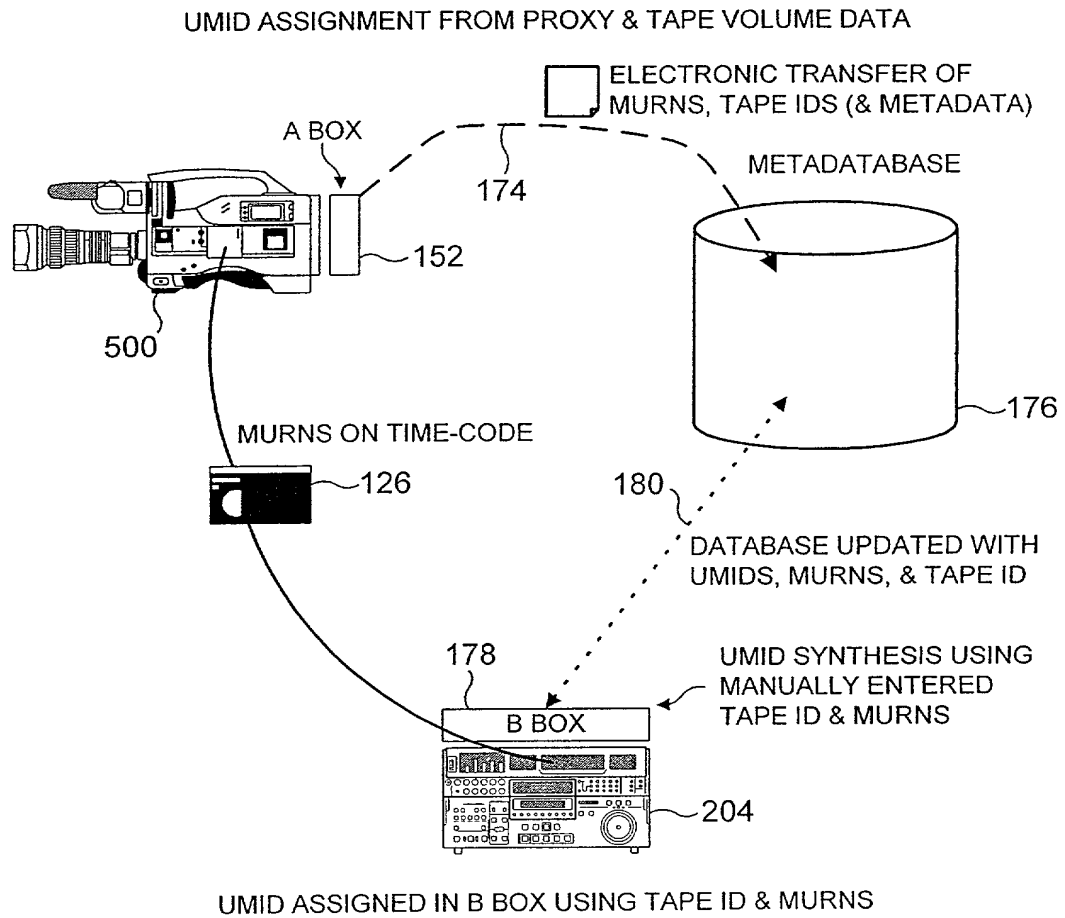
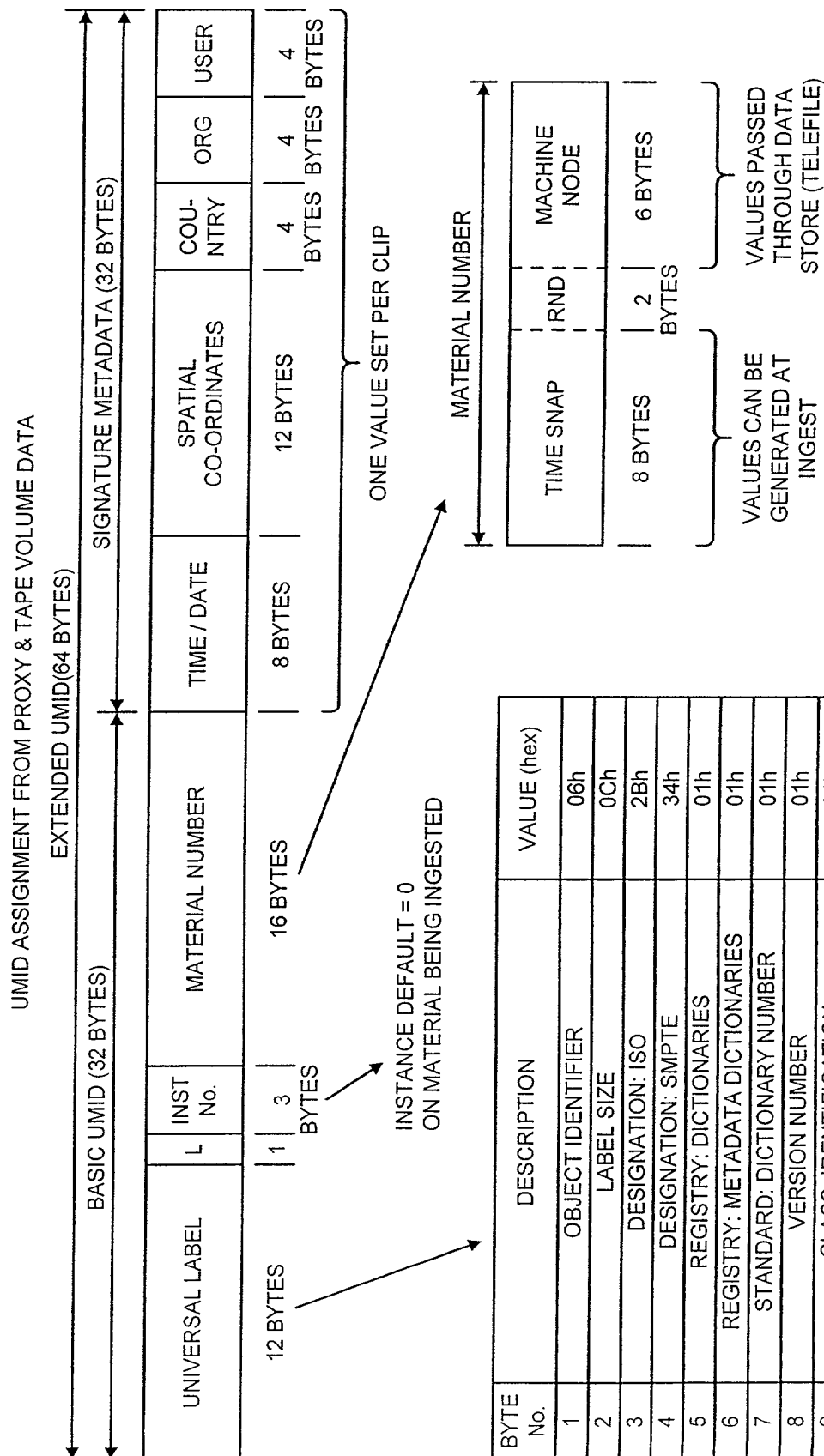


FIG. 4



5
G.
F

BYTE No.	DESCRIPTION	VALUE (hex)
1	OBJECT IDENTIFIER	06h
2	LABEL SIZE	0Ch
3	DESIGNATION: ISO	2Bh
4	DESIGNATION: SMPTE	34h
5	REGISTRY: DICTIONARIES	01h
6	REGISTRY: METADATA DICTIONARIES	01h
7	STANDARD: DICTIONARY NUMBER	01h
8	VERSION NUMBER	01h
9	CLASS: IDENTIFICATION	01h
10	SUB-CLASS: UNIQUE IDENTIFIERS	01h
11	TYPE: UMID(PICTURE, AUDIO, DATA, GROUP)	01, 02, 03, 04h
12	TYPE: NUMBER CREATION METHOD	XXh (SEE TEXT)

UMID TYPE (BYTE 11) DEFAULT = 04h

CREATION TYPE (BYTE 12) SET LOCALLY AT INGEST

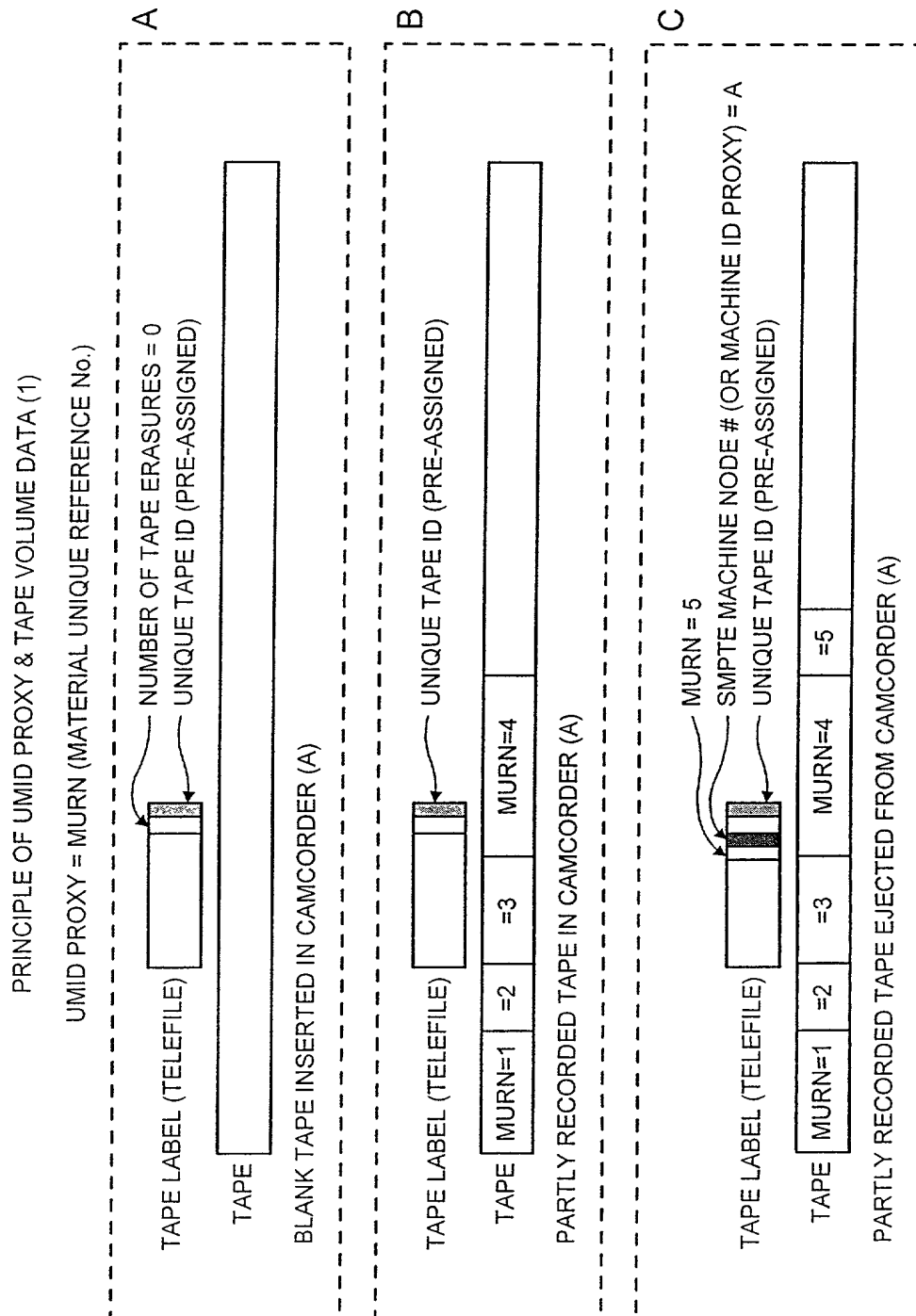


FIG. 6

PRINCIPLE OF UMID PROXY & TAPE VOLUME DATA (2)

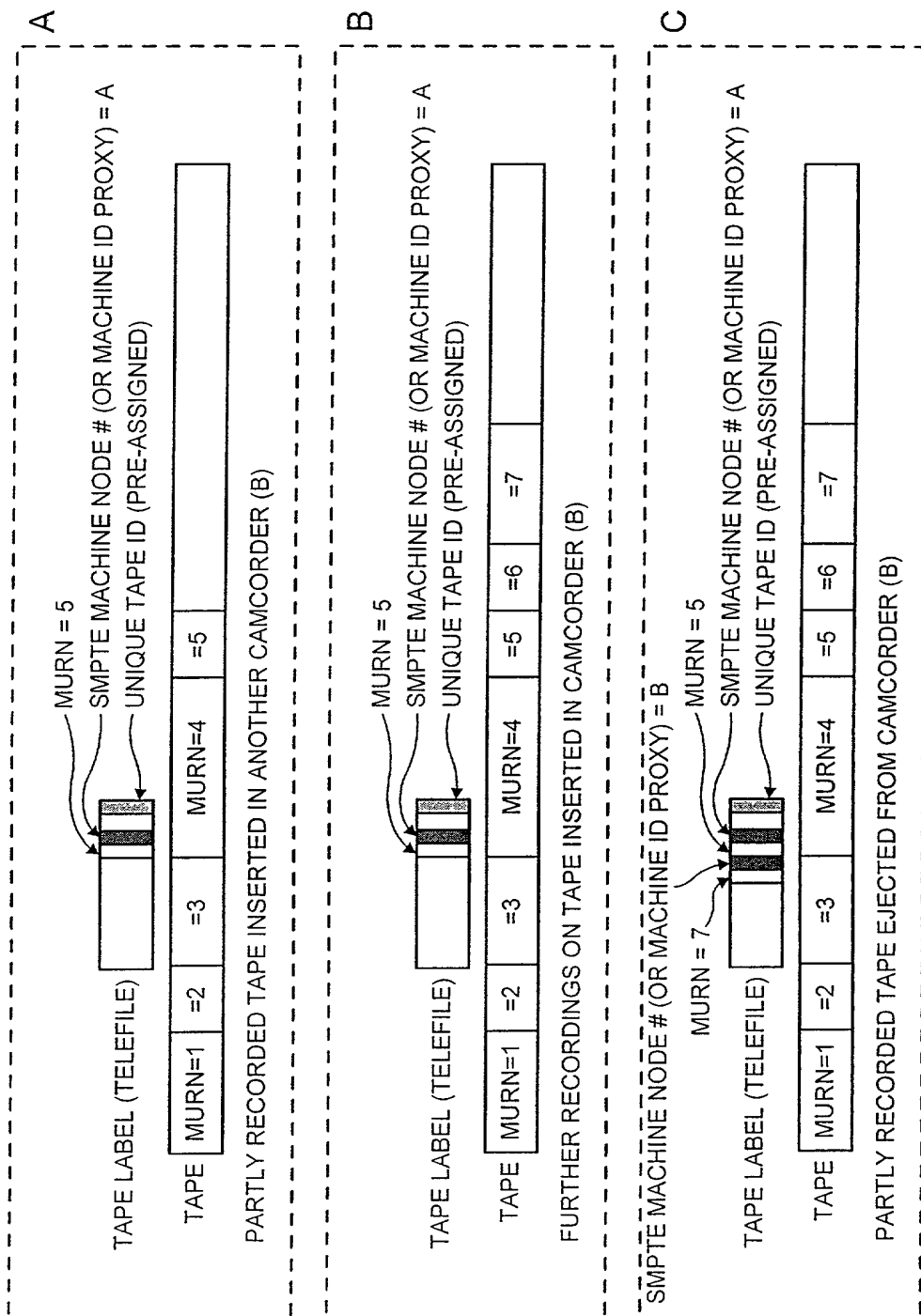


FIG. 7

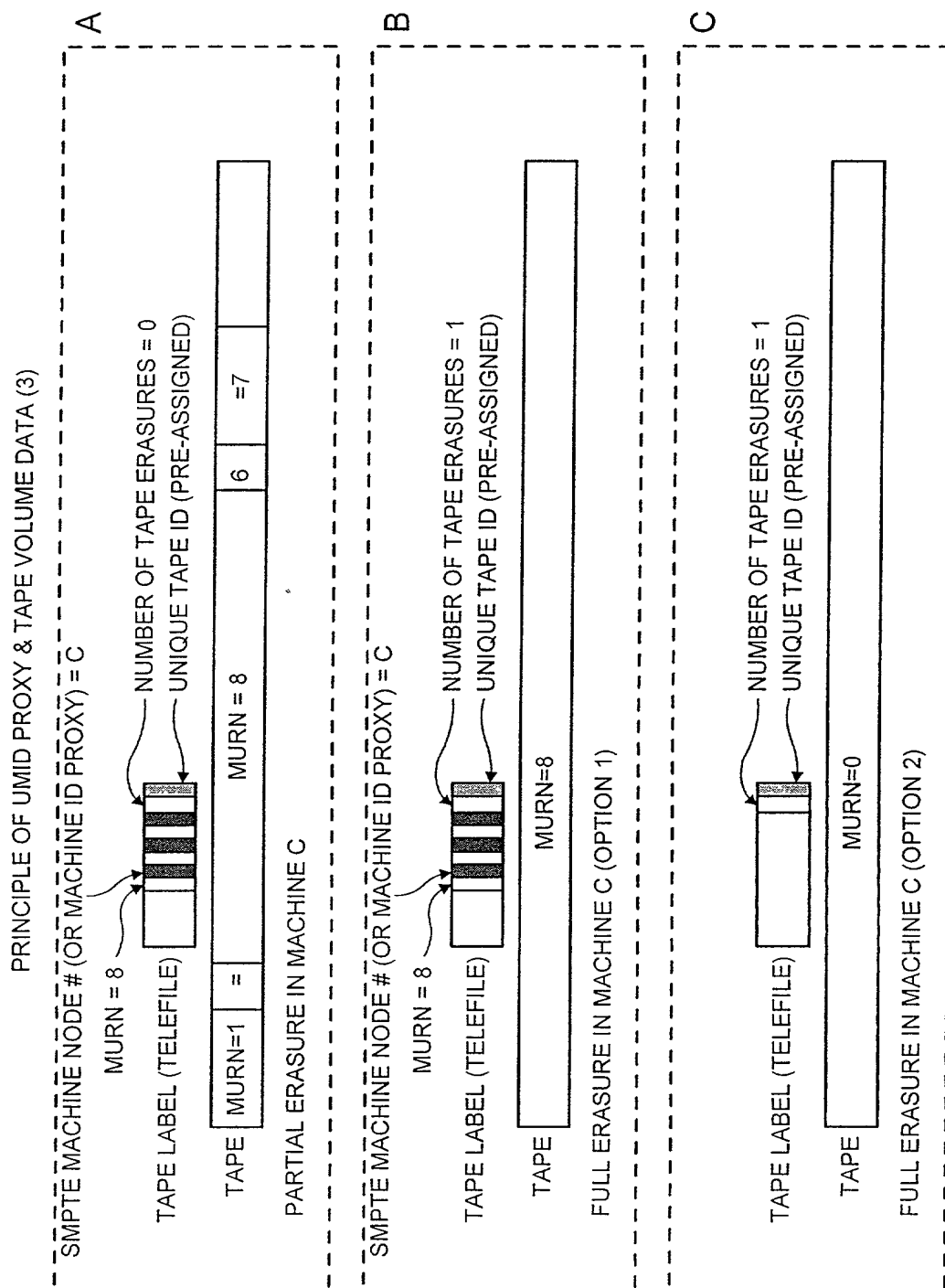
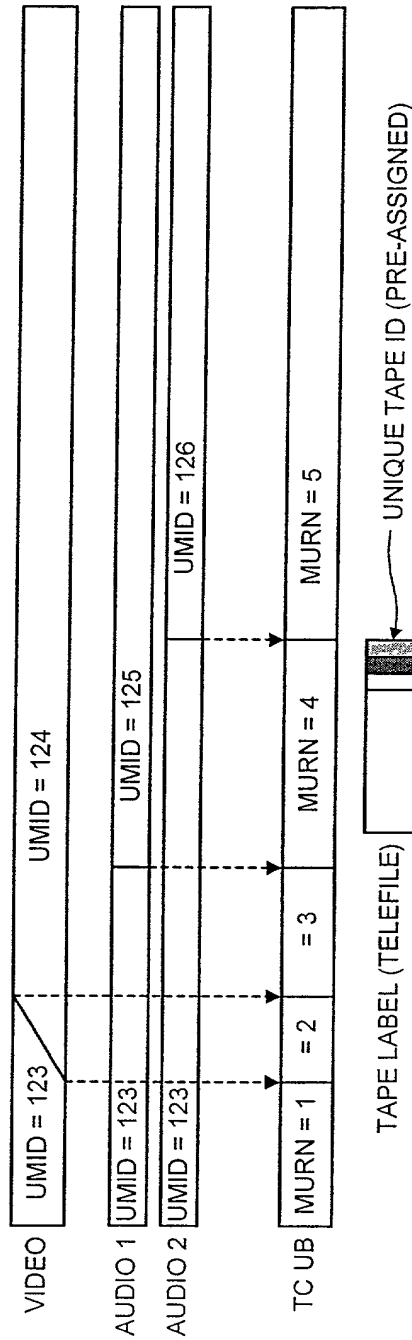


FIG. 8

UMID PROXY & SIMPLIFIED TAPE EDITING RULES

MURN TREATS ALL TAPE CONTENT AS GROUPS ($V + A_1 \dots A_n$), EVERY TAPE EDIT EVENT GENERATES A NEW MURN, METADATABASE MANAGES TRUE UMID INFORMATION USING UNIQUE TAPE ID & MURN



EDITED TAPE

FIG. 9

UMID PROXY & SIMPLIFIED TAPE EDITING RULES

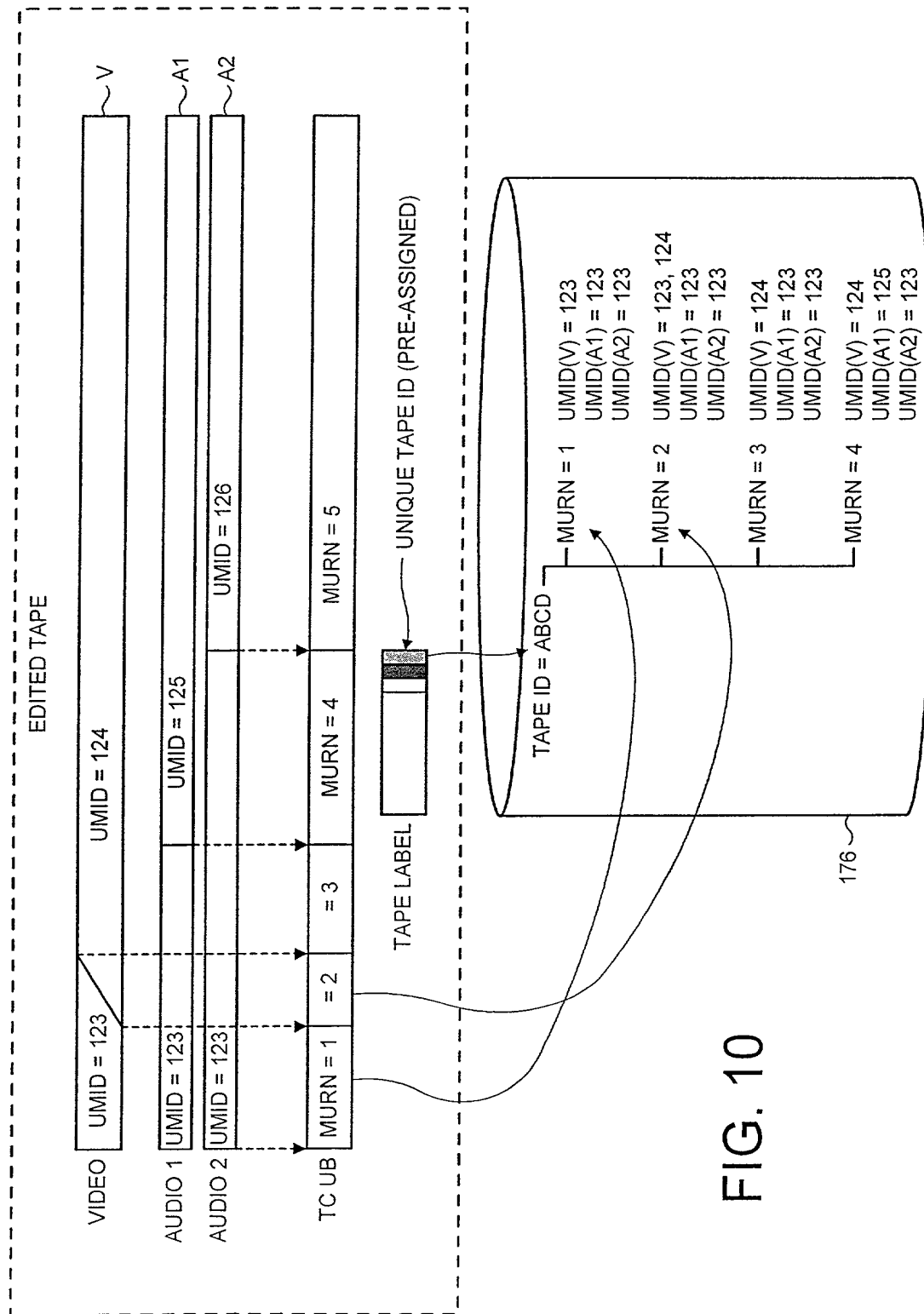


FIG. 10

UMID PROXY & SIMPLIFIED TAPE EDITING RULES
INSERT EDIT WITH VTR ITSELF (VO OR SOUND EFFECT)

V	UMID #0001
A1	UMID #0001
A2	UMID #0001
A3	UMID #0001
A4	UMID #0001
UMID	Gp UMID #01

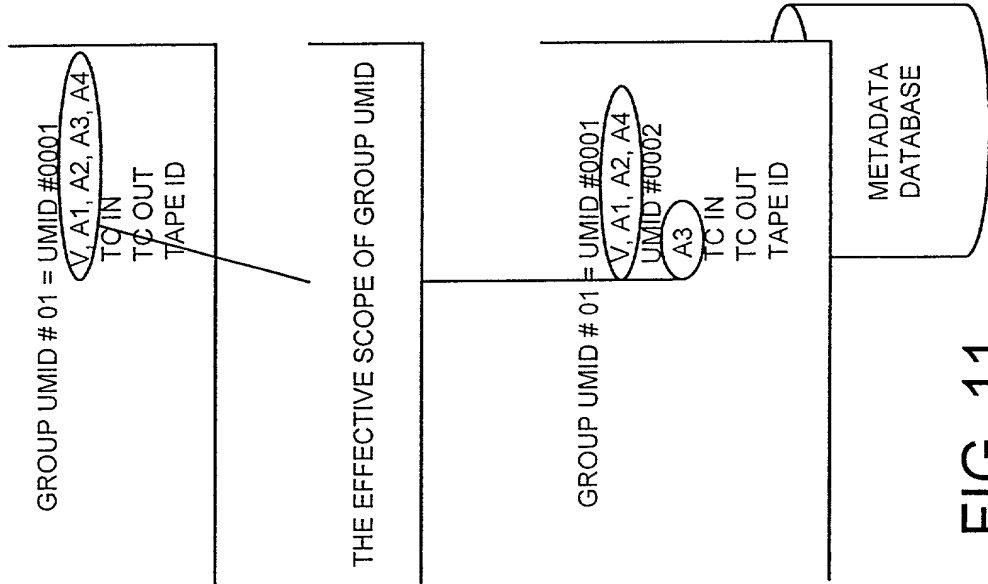


FIG. 11

V	UMID #0001		
A1	UMID #0001		
A2	UMID #0001		
A3	UMID #0001	UMID #0002	UMID #0001
A4	UMID #0001		
UMID	UMID #01 (Gp)	UMID #02 (Gp)	UMID #01 (Gp)

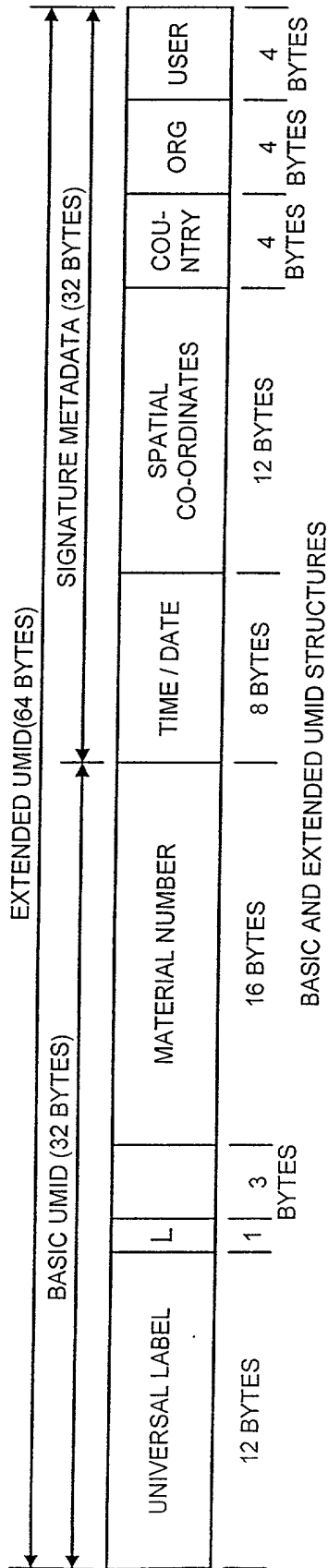


FIG. 12

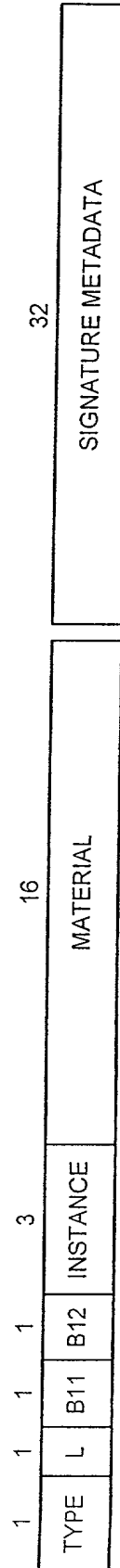


FIG. 13

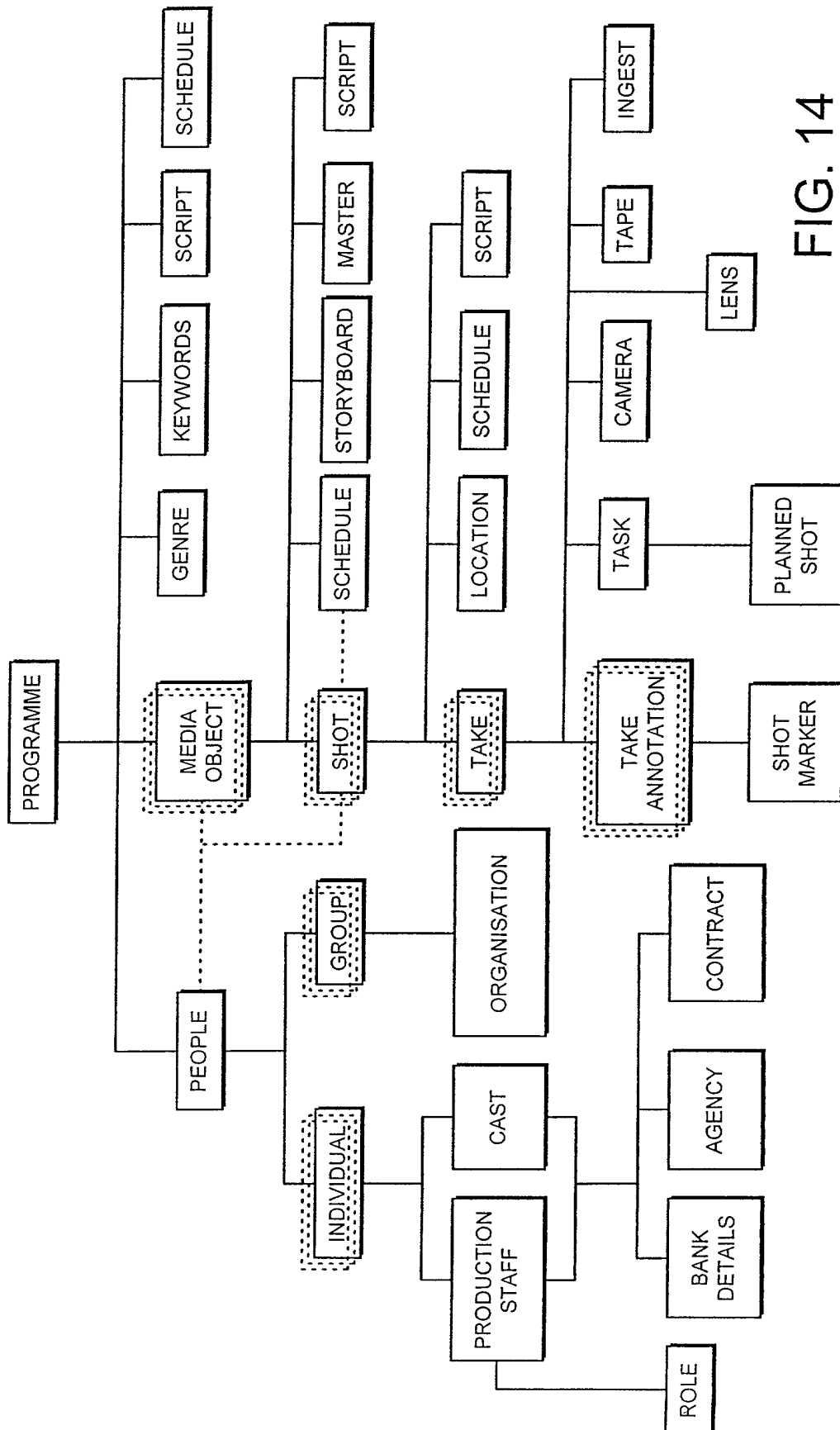


FIG. 14

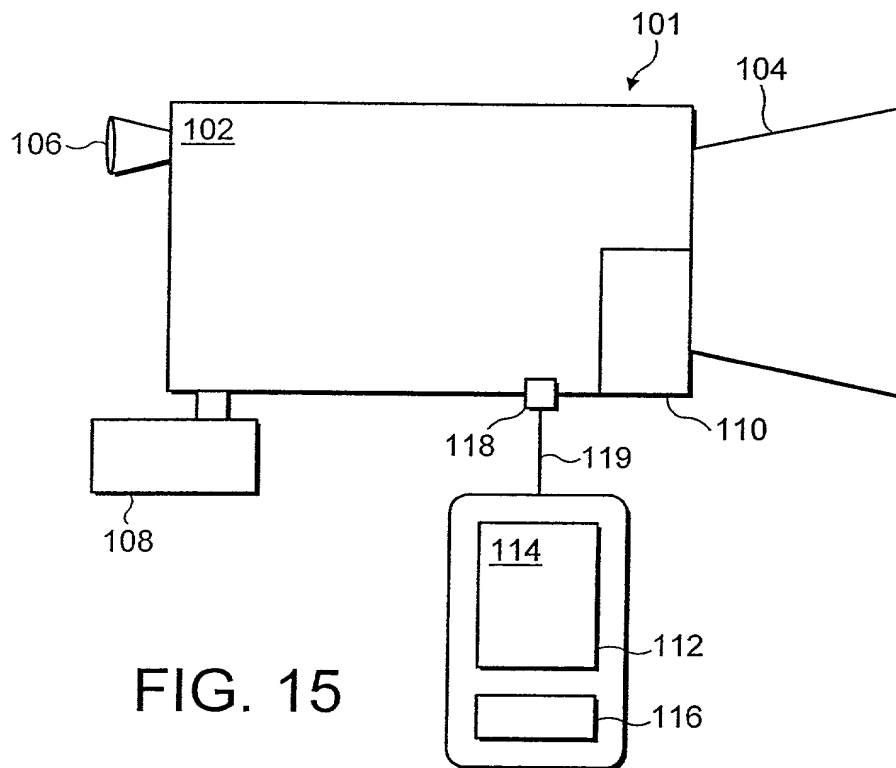


FIG. 15

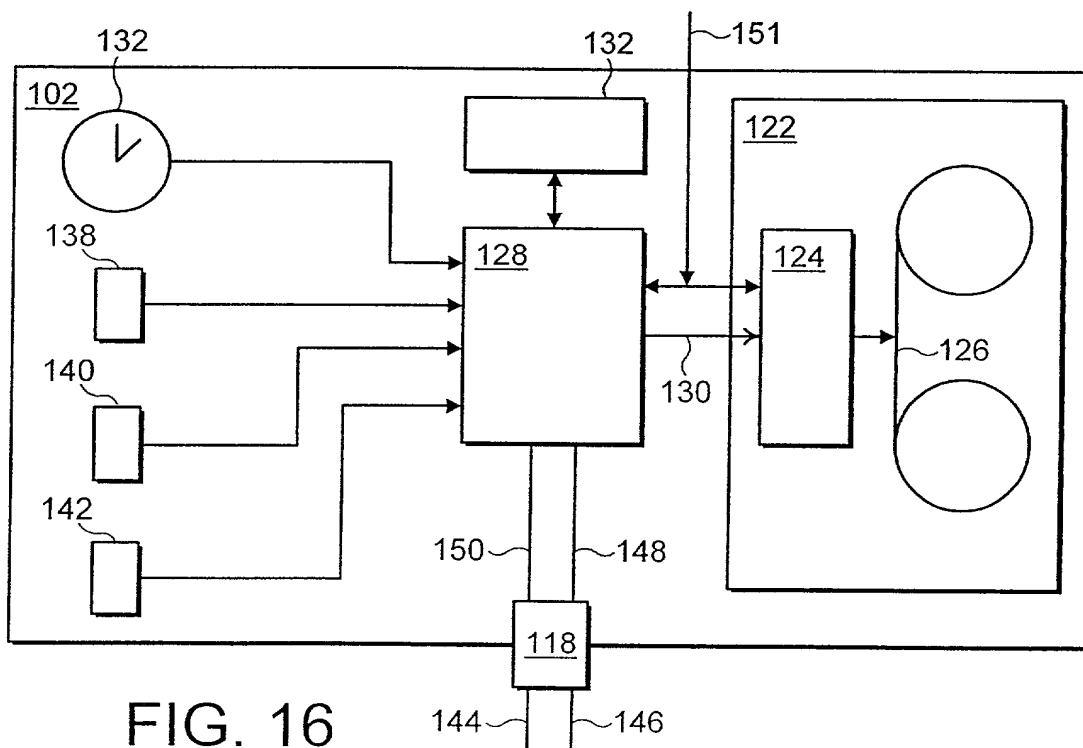


FIG. 16

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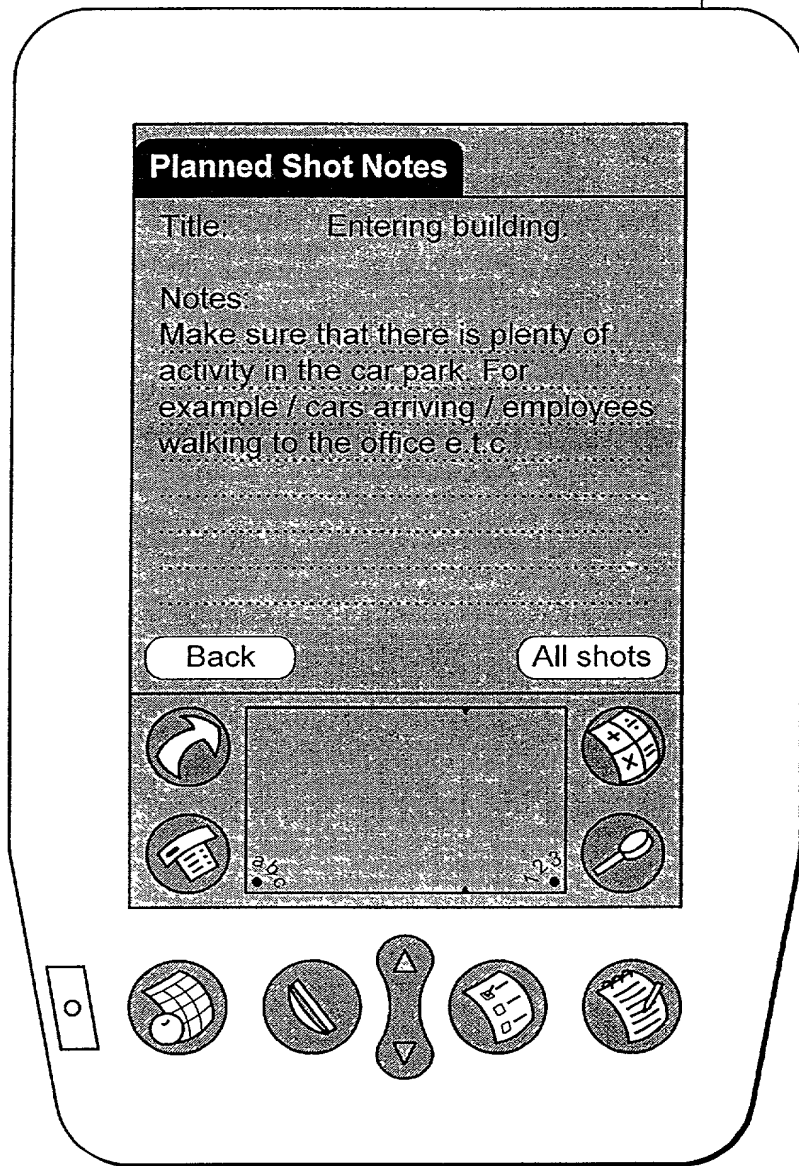


FIG. 17

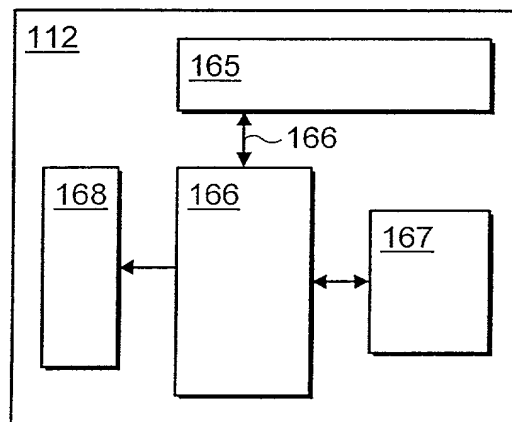
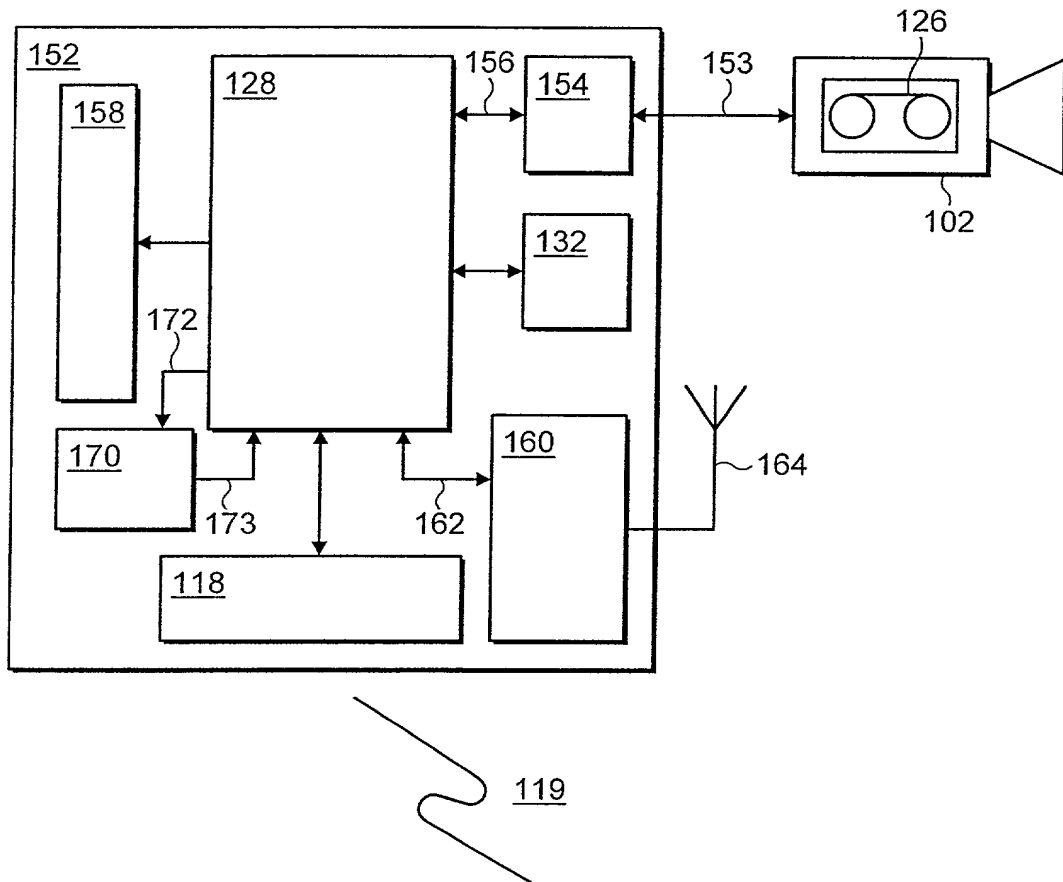


FIG. 18

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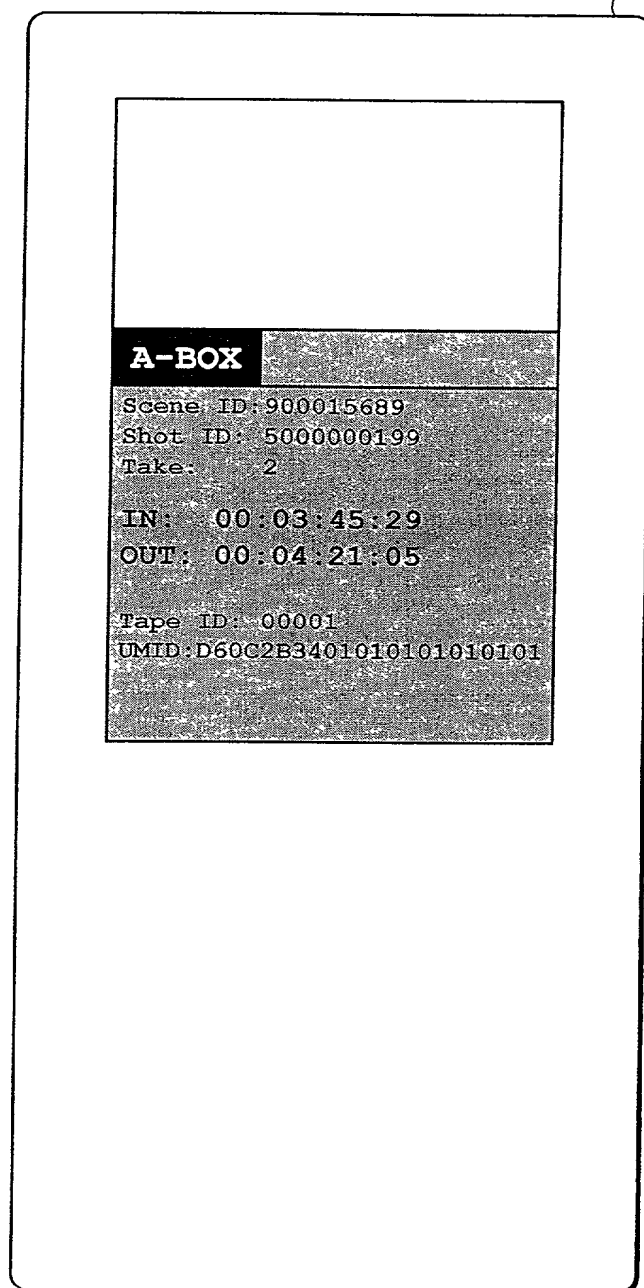


FIG. 19

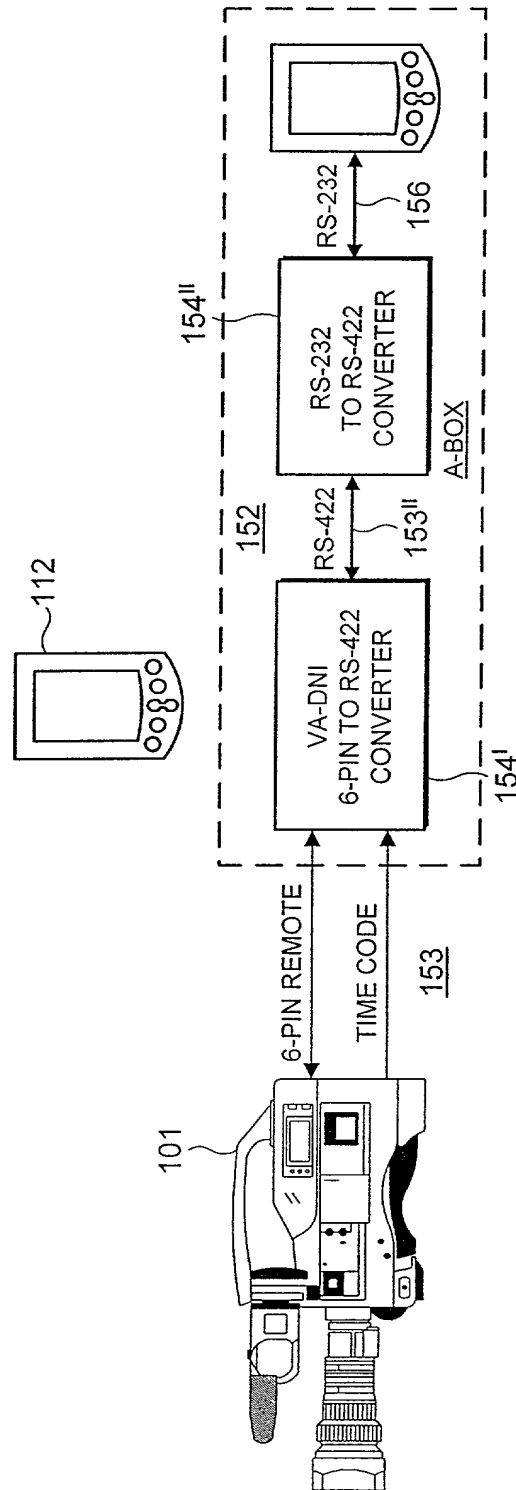


FIG. 20

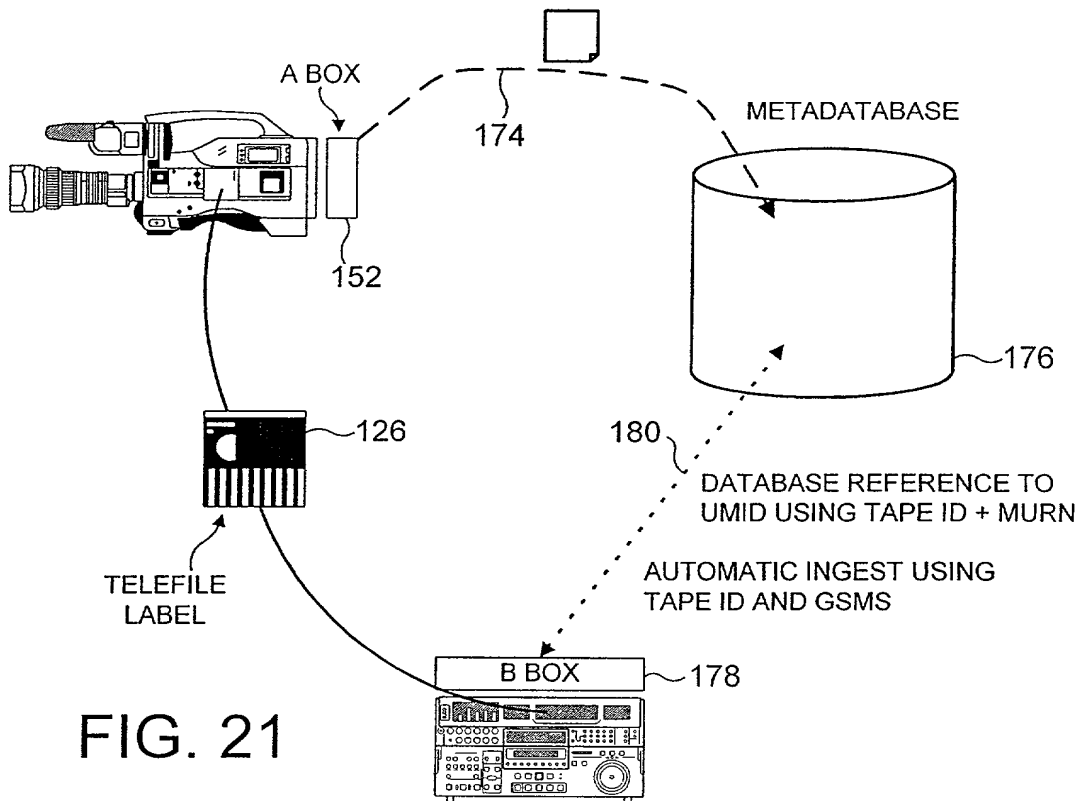


FIG. 21

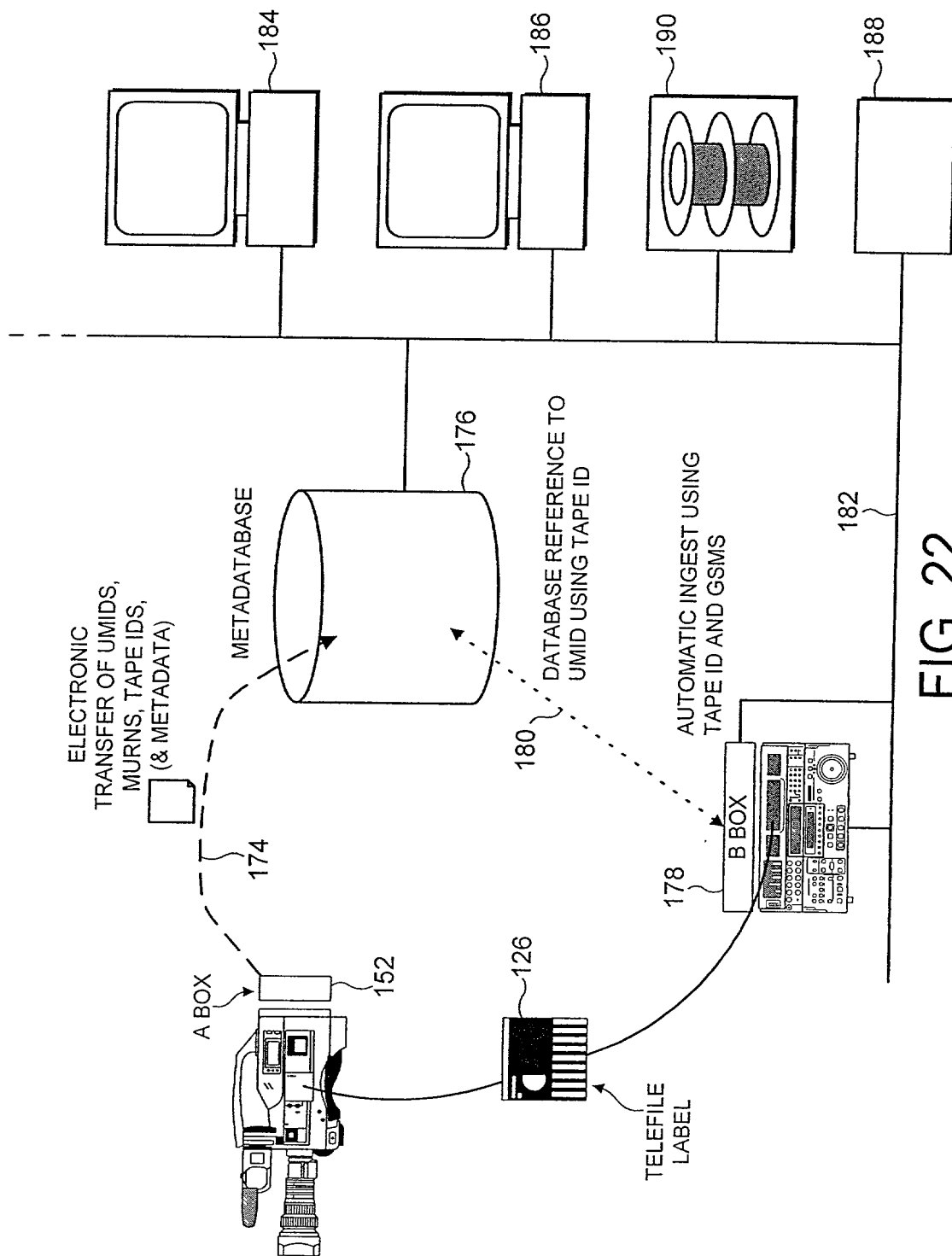


FIG. 22

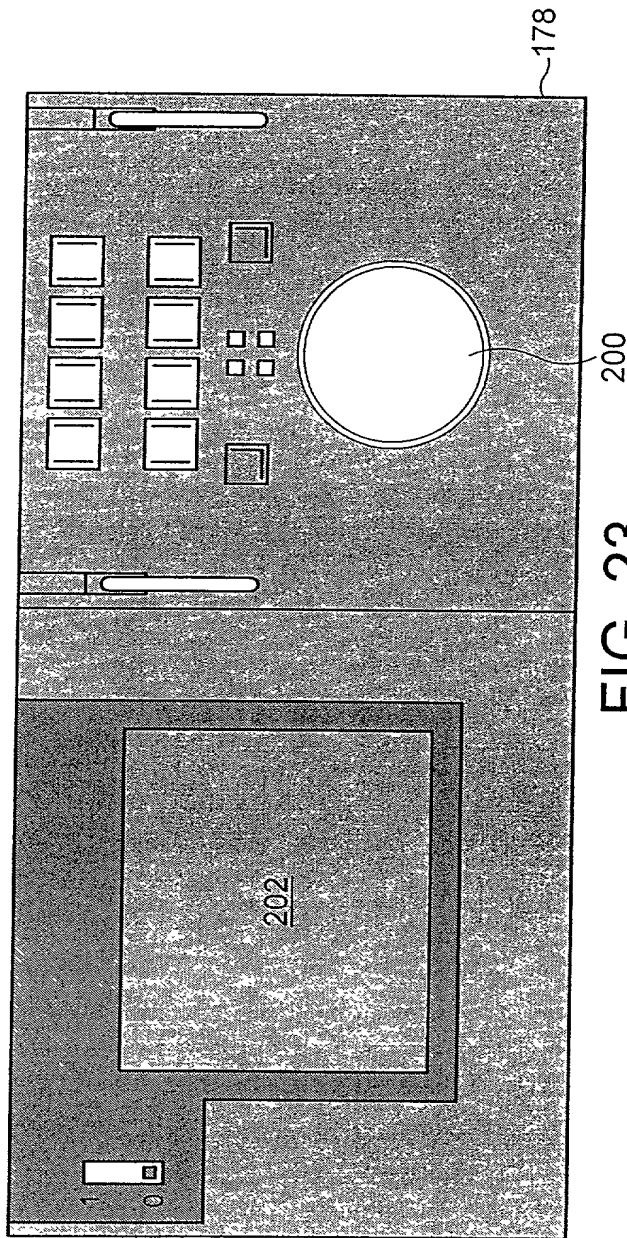


FIG. 23

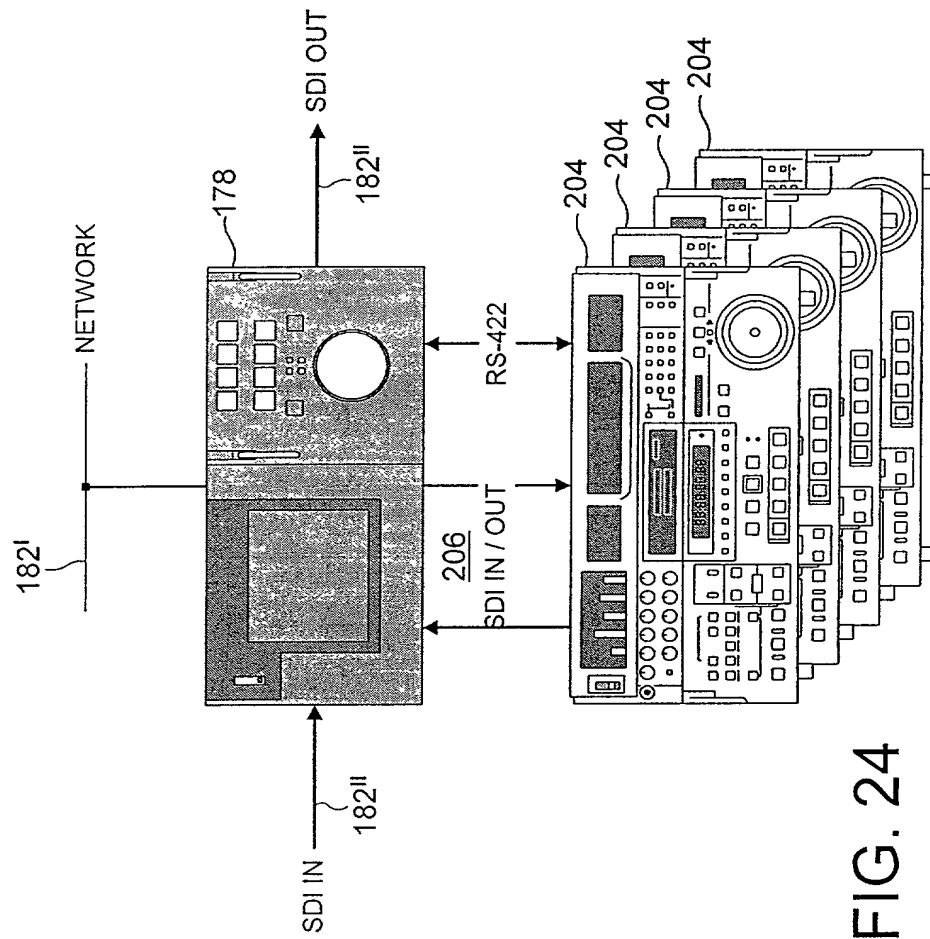
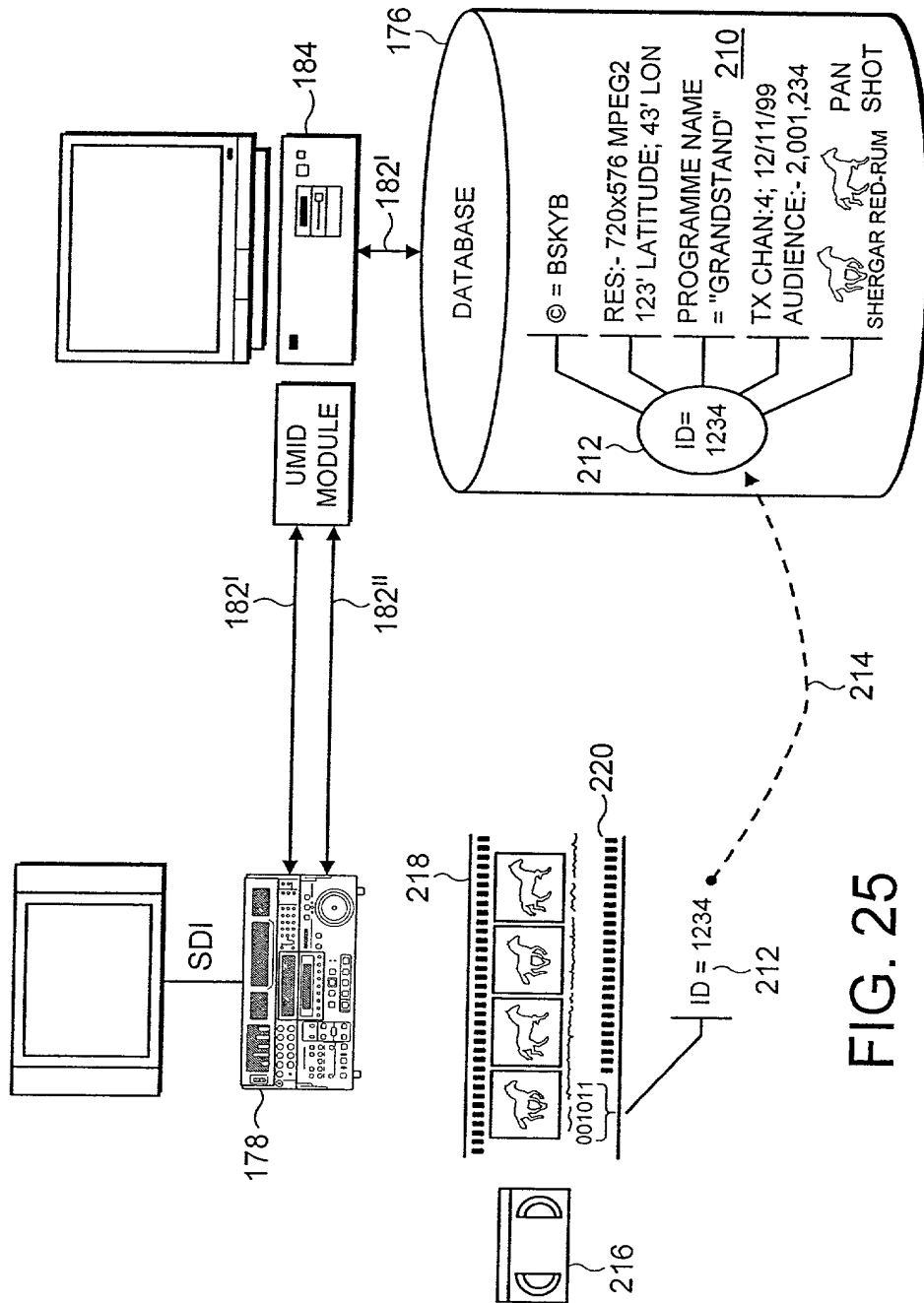


FIG. 24



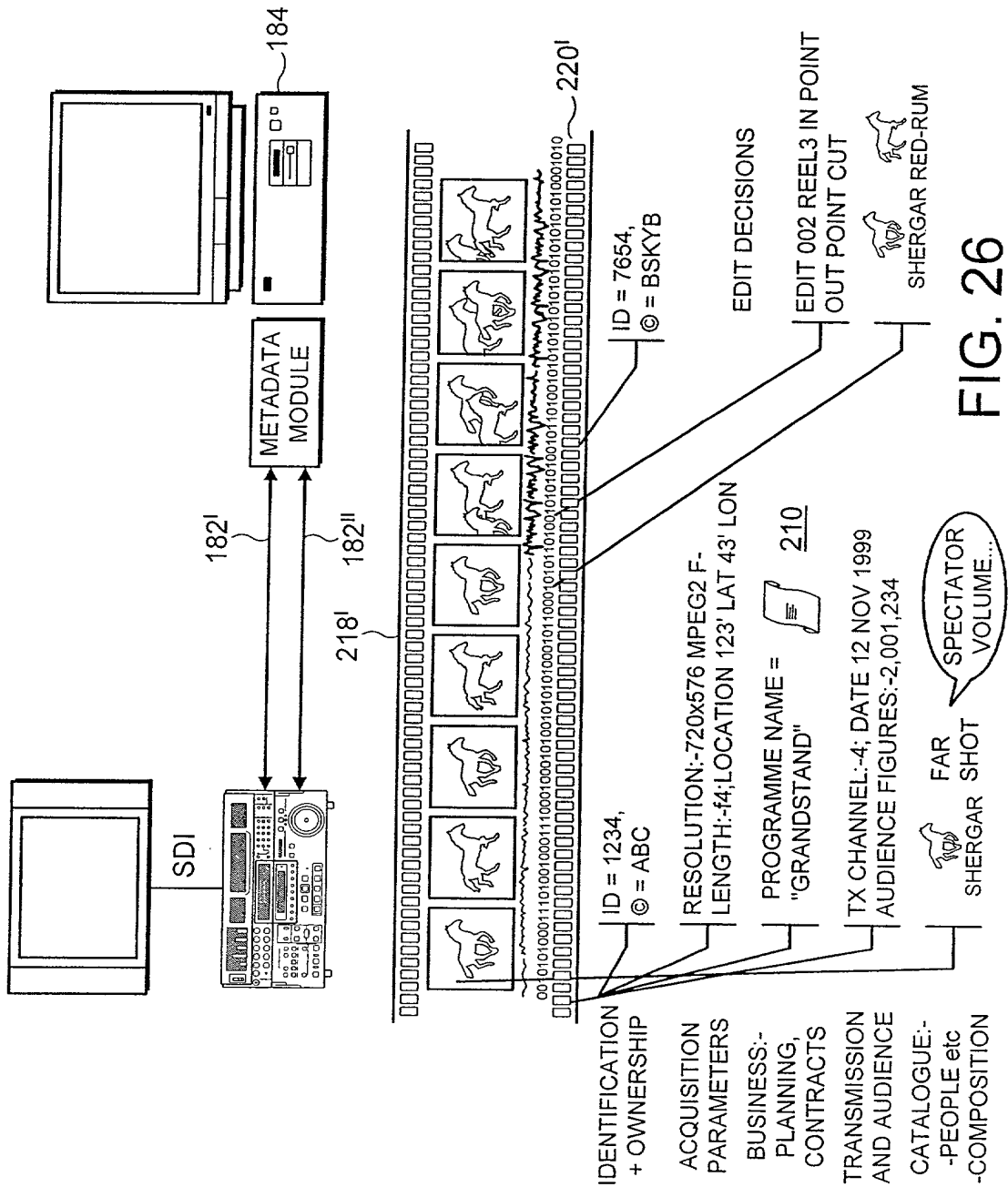
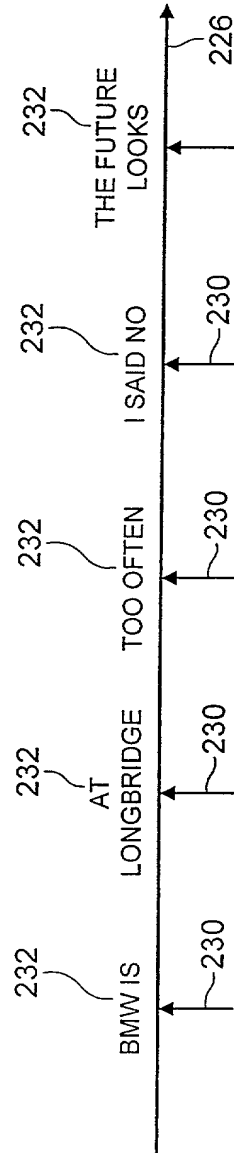
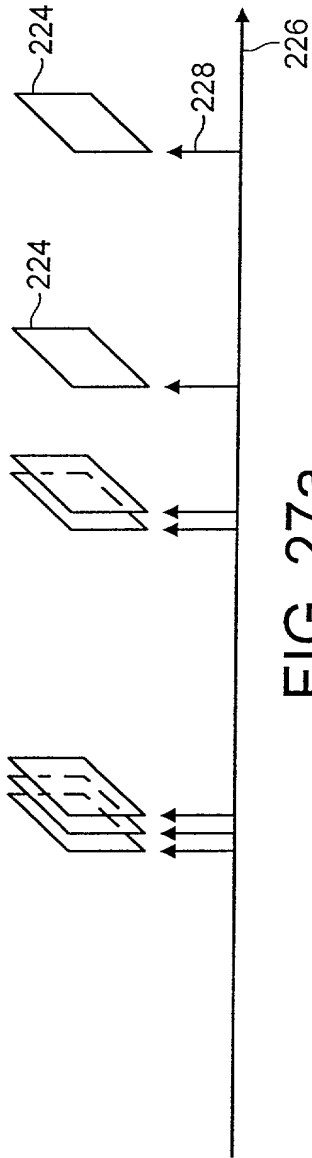


FIG. 26



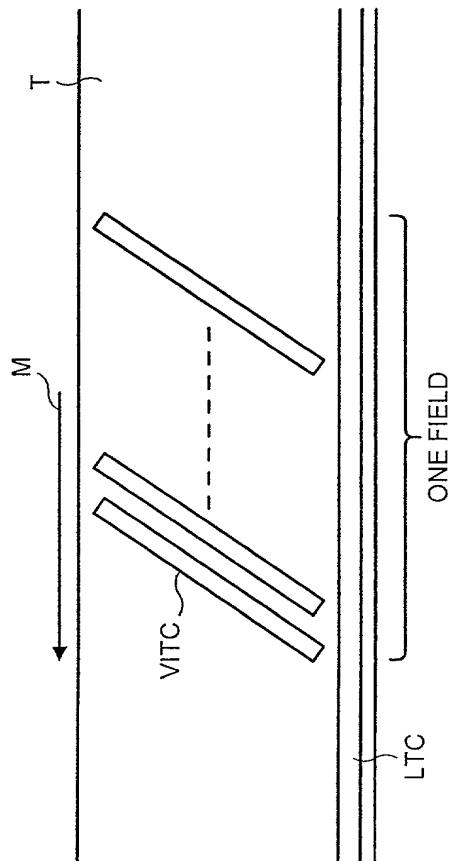


FIG. 28

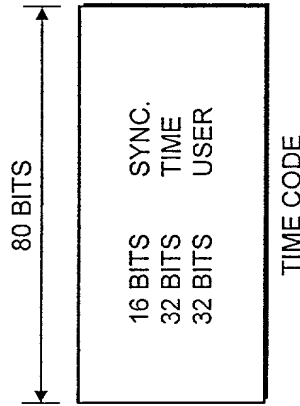


FIG. 29

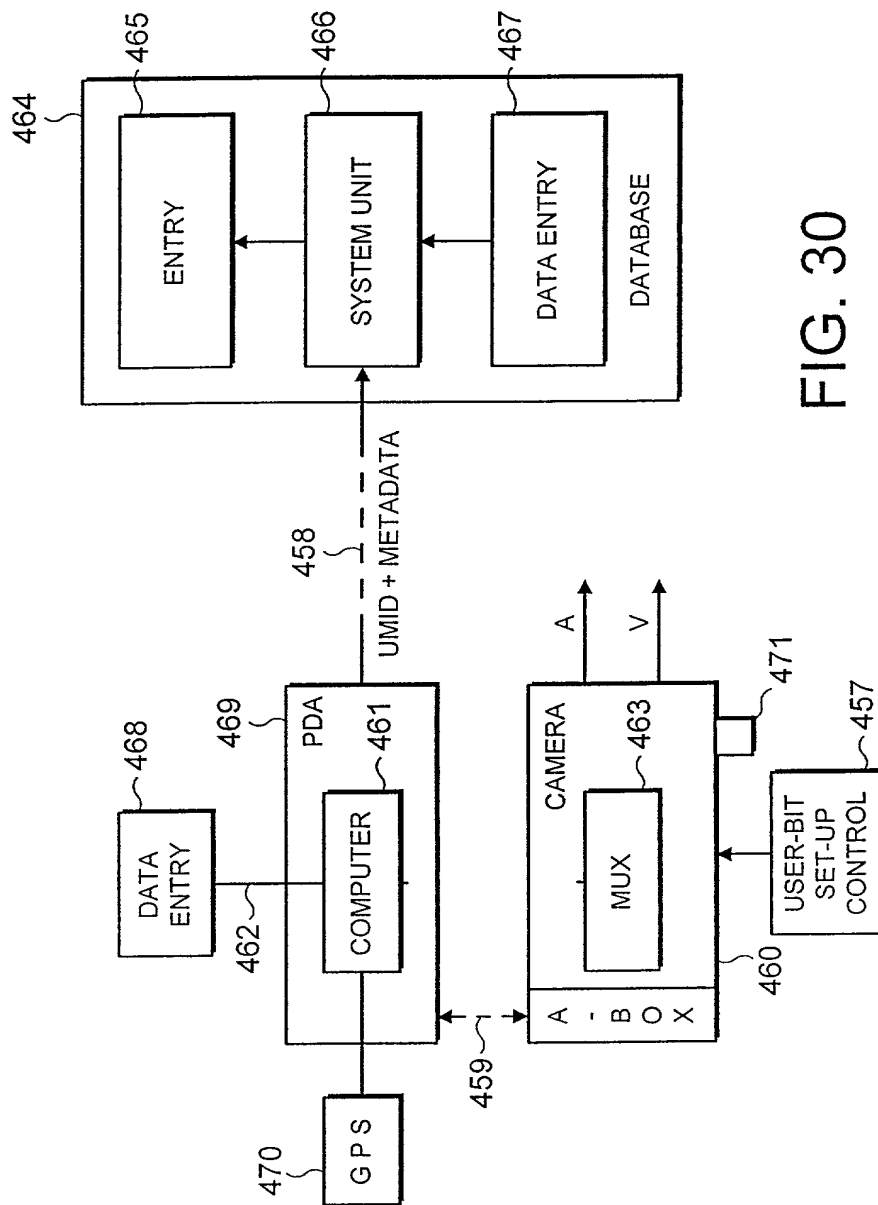


FIG. 30

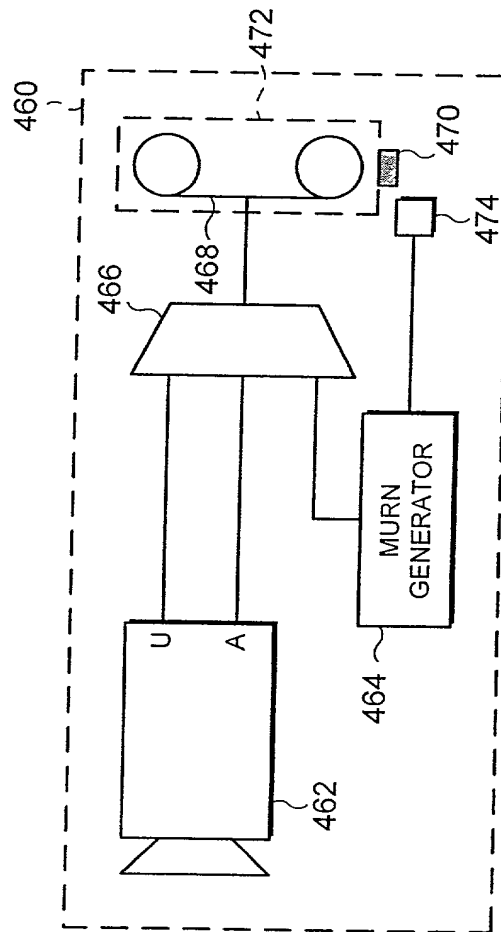


FIG. 31

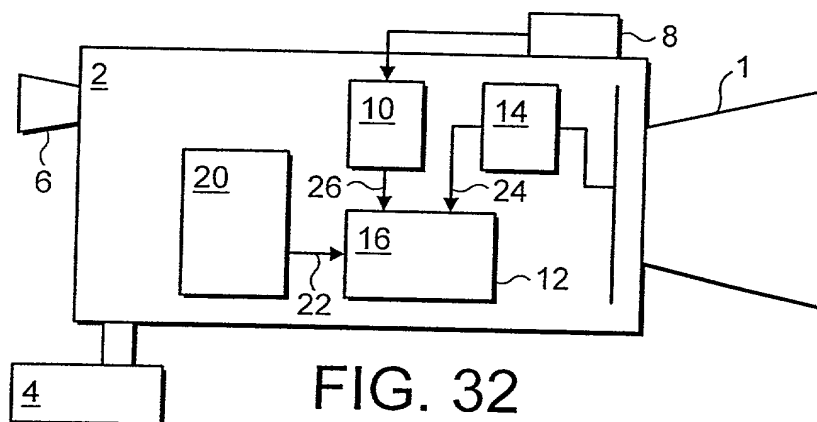


FIG. 32

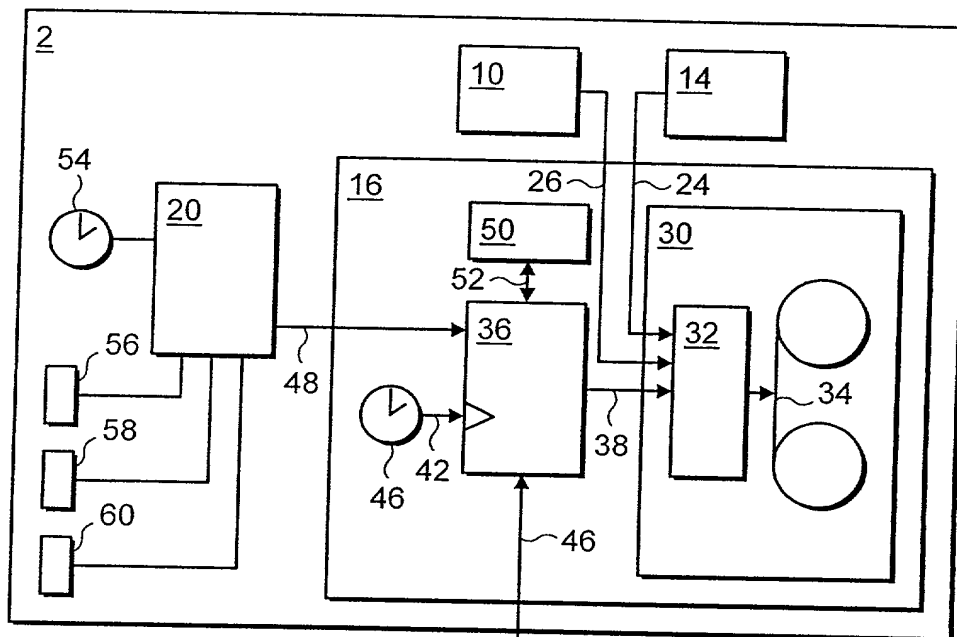


FIG. 33

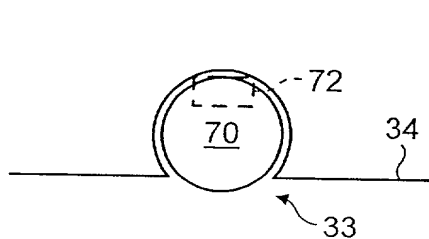


FIG. 34a

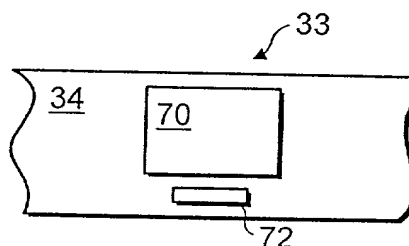


FIG. 34b

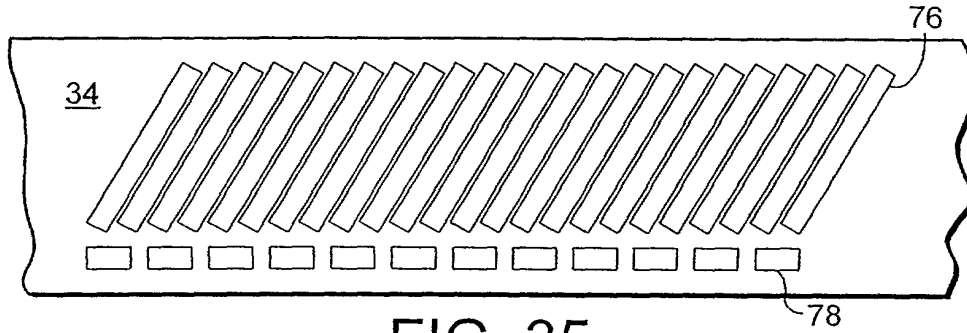


FIG. 35

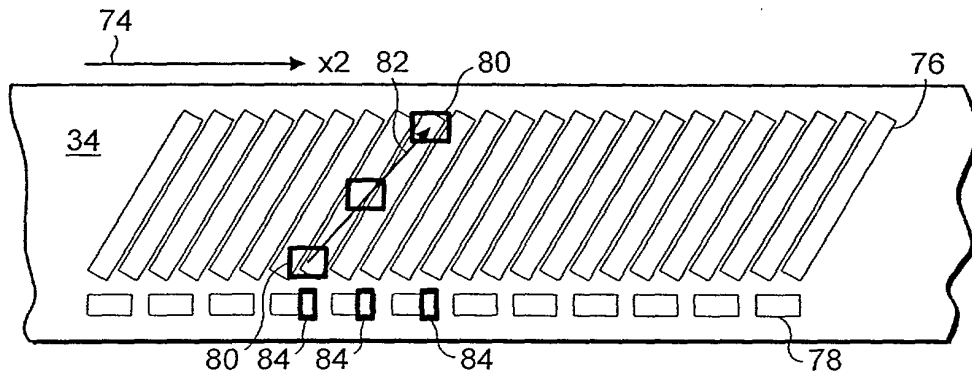


FIG. 36a

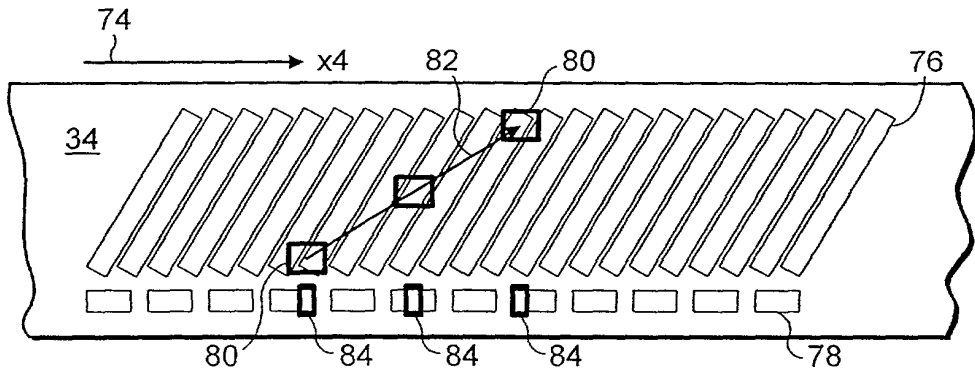


FIG. 36b

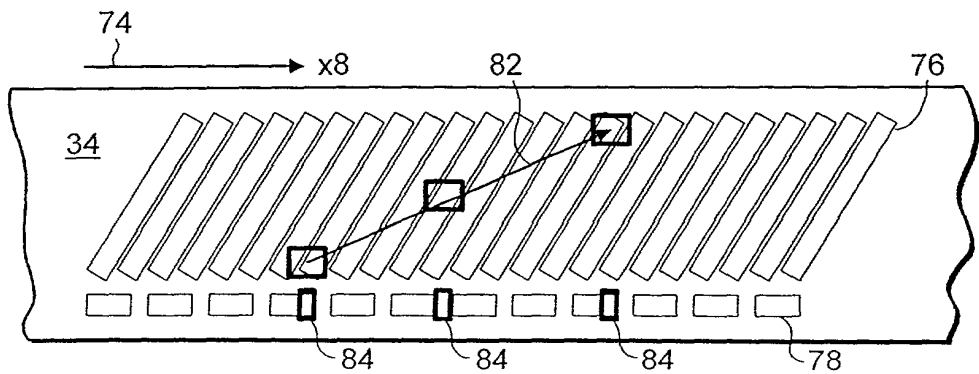


FIG. 36c

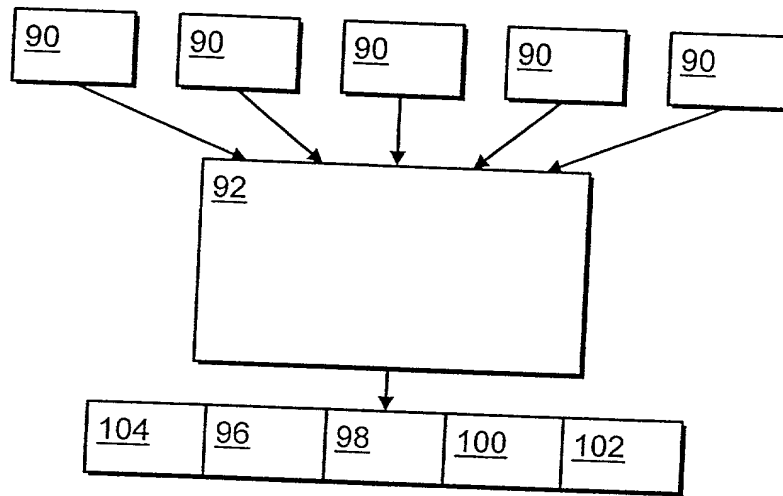


FIG. 37

94 94 94 94 94																	
0	0	0	0	1	1	1	1	2	2	2	2	0	1	2	3		
R	R	R	R	G	G	G	G	E	E	E	E	0	1	1	8		
E	E	E	E	R	R	R	R	N	N	N	N	1	9	3	--		
D	D	D	D	E	E	E	E	--	--	--	--	1	9	2	--		
104				106				108				110					

FIG. 38

X8	R	R	R	R	R	R	R	E	E	E	E	E	E	E	E	E
X4	G	G	G	G	R	R	R	E	E	E	E	E	E	E	E	E
X2	B	B	L	L	U	U	E	E								
X1	0	1	1	1	9	9	1	3	2	8						
	↑TC				↑TC											

FIG. 39

